1077-11-1970   **Robert P Boyer*** (`rboyer@math.drexel.edu`), Department of Mathematics, Drexel University, Philadelphia, PA 19104. *Asymptotics for polynomials from integer partitions.*

Let $F_n(z)$ be the polynomial $\sum_{k=1}^{n} p_k(n) z^k$ where $p_k(n)$ denote the number of partitions of n with exactly k parts. For real z, the asymptotics of these polynomials was developed by E.M. Wright in 1932. In joint work with W.M.Y. Goh and with D.T. Parry, we gave two approaches to finding the asymptotics of these polynomials with the motivation of describing the limiting behavior of their zeros. In this talk, we will compare these two approaches. (Received September 21, 2011)